



SEQUENCE LISTING

<110> ID Biomedical Corporation of Quebec
The Council of the Queensland Institute of Medical Research
Lowell, George H.
Burt, David S.
White, Gregory L.
Good, Michael F.
Batzloff, Michael R.
Leanderson, Tomas B.

<120> Vaccine

<130> 021989-000710US

<140> 10/706,275

<141> 2003-11-13

<150> US 60/426,409

<151> 2002-11-15

<150> AU 2002302132

<151> 2002-11-15

<160> 15

<170> PatentIn version 3.1

<210> 1

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> antigenic peptide sequence derivative of S. pyogenes

<400> 1

Ala Ser Arg Glu Ala Lys Lys Gln Val Glu Lys Ala Leu Glu
1 5 10

<210> 2
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> antigenic peptide derivative of *S. pyogenes* with flanking sequences

<400> 2

Lys Gln Ala Glu Asp Lys Val Lys Ala Ser Arg Glu Ala Lys Lys Gln
1 5 10 15

Val Glu Lys Ala Leu Glu Gln Leu Glu Asp Lys Val Lys
20 25

<210> 3
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> antigenic peptide sequence EIN19

<400> 3

Glu Ile Asn Thr Glu Glu Glu Gly Thr Pro Asp Gln Ile Ser Ser Leu
1 5 10 15

Ile Glu Lys

<210> 4
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> antigenic peptide sequence KQL30

<400> 4

Lys Gln Leu Glu Asp Arg Val Gln Gln Leu Glu Thr Glu Lys Gln Ile
1 5 10 15

Ser Glu Ala Ser Arg Lys Ser Ala Glu Asp Lys Val Lys Gln
20 25 30

<210> 5

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> antigenic peptide sequence p145

<400> 5

Leu Arg Arg Asp Leu Asp Ala Ser Arg Glu Ala Lys Lys Gln Val Glu
1 5 10 15

Lys Ala Leu Glu
20

<210> 6

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> antigenic peptide sequence derivative of p145 base

<400> 6

Gln Leu Glu Asp Lys Val Lys Gln Leu Arg Arg Asp Leu Asp Ala Ser
1 5 10 15

Arg Glu Ala Lys Glu Glu Leu Gln Asp Lys Val Lys
20 25

<210> 7
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> antigenic peptide sequence derivative of p145 base

<400> 7

Leu Glu Asp Lys Val Lys Gln Ala Arg Arg Asp Leu Asp Ala Ser Arg
1 5 10 15

Glu Ala Lys Lys Glu Leu Gln Asp Lys Val Lys Gln
20 25

<210> 8
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> antigenic peptide sequence derivative of p145 base

<400> 8

Glu Asp Lys Val Lys Gln Ala Glu Arg Asp Leu Asp Ala Ser Arg Glu
1 5 10 15

Ala Lys Lys Gln Leu Gln Asp Lys Val Lys Gln Leu
20 25

<210> 9
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> antigenic peptide sequence derivative of p145 base

<400> 9

Asp Lys Val Lys Gln Ala Glu Asp Asp Leu Asp Ala Ser Arg Glu Ala
1 5 10 15

Lys Lys Gln Val Gln Asp Lys Val Lys Gln Leu Glu
20 25

<210> 10

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> antigenic peptide sequence derivative of p145 base

<400> 10

Lys Val Lys Gln Ala Glu Asp Lys Leu Asp Ala Ser Arg Glu Ala Lys
1 5 10 15

Lys Gln Val Glu Asp Lys Val Lys Gln Leu Glu Asp
20 25

<210> 11

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> antigenic peptide sequence derivative of p145 base

<400> 11

Val Lys Gln Ala Glu Asp Lys Val Asp Ala Ser Arg Glu Ala Lys Lys
1 5 10 15

Gln Val Glu Lys Lys Val Lys Gln Leu Glu Asp Lys
20 25

<210> 12

<211> 28

<212> PRT
<213> Artificial Sequence

<220>
<223> antigenic peptide sequence derivative of p145 base

<400> 12

Lys Gln Ala Glu Asp Lys Val Lys Ala Ser Arg Glu Ala Lys Lys Gln
1 5 10 15

Val Glu Lys Ala Val Lys Gln Leu Glu Asp Lys Val
 20 25

<210> 13
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> antigenic peptide sequence derivative of p145 base

<400> 13

Gln Ala Glu Asp Lys Val Lys Gln Ser Arg Glu Ala Lys Lys Gln Val
1 5 10 15

Glu Lys Ala Leu Lys Gln Leu Glu Asp Lys Val Gln
 20 25

<210> 14
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> antigenic peptide sequence derivative of p145 base

<400> 14

Ala Glu Asp Lys Val Lys Gln Leu Arg Glu Ala Lys Lys Gln Val Glu
1 5 10 15

Lys Ala Leu Glu Gln Leu Glu Asp Lys Val Gln Leu
20 25

<210> 15

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> antigenic peptide sequence derivative of p145 base

<400> 15

Lys Gln Ala Glu Asp Lys Val Lys Ala Ser Arg Glu Ala Lys Lys Gln
1 5 10 15

Val Glu Lys Ala Leu Glu Gln Leu Glu Asp Lys Val Lys
20 25

60286489 v1